



M40 Computer Cart

User Manual

Warnings



IMPORTANT – Indicates a situation that does not present any hazard but is very important in maintaining a well functioning workstation.



ATTENTION – Consult manual to avoid a potentially hazardous situation which may result in minor or moderate injury.



ELECTRICAL – Indicates an impending electrical hazard which, if not avoided, may result in personal injury, fire and/or death.

- Contact the facility Engineer of Record for direction on mounting locations and methods prior to installing any wall tracks or equipment.
- The shipping weight of the laptop model is 63 lbs (28.6 kg). The shipping weight of the LCD model is 83 lbs (37.6 kg). Use proper lifting techniques to prevent injury.
- The supplied power cord is rated for medical use. Connecting the cord to an outlet that is not medical grade (indicated with a green dot) will not ensure grounding protection.
- Power cord, USB extension, and workstation are for **INDOOR** use only. **DO NOT OPERATE OUTDOORS.**
- Keep power cord away from water. **DO NOT PLUG CORD INTO OUTLET IF WET.**
- **DO NOT OPERATE PRODUCT IF WET.** If the **WORKSTATION** becomes wet, unplug it immediately, wipe off any excess liquid, and allow it to dry before using again.
- Inspect power cord before integration. **DO NOT USE POWER CORD IF DAMAGED.**
- Fully insert power cord plug into outlet. **DO NOT** unplug by pulling on cord. **DO NOT** remove, bend or modify any metal prongs or pins of power cord.
- **DO NOT** use excessive force to make mechanical or electrical connections.
- **DO NOT** use an electrical extension cord with your workstation.
- **DO NOT** use a flammable cleaner on the station as it can result in fire or explosion.

TRANSPORT/STORAGE

Care should be taken to transport and store this system within a temperature range of 32°F to 90°F (0°C to 32°C); Humidity 20% RH to 95% RH non-condensing.

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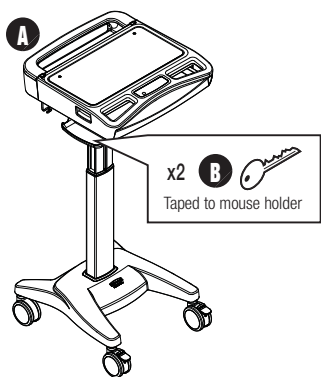
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Maintain GMP Compliance
Keep this manual with the Cart

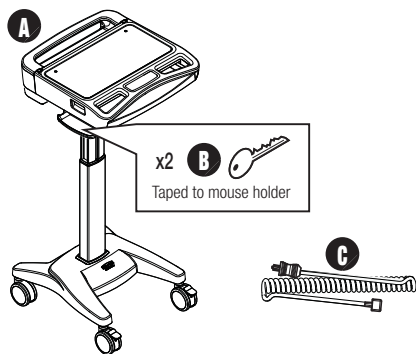
Box Contents

Laptop Cart

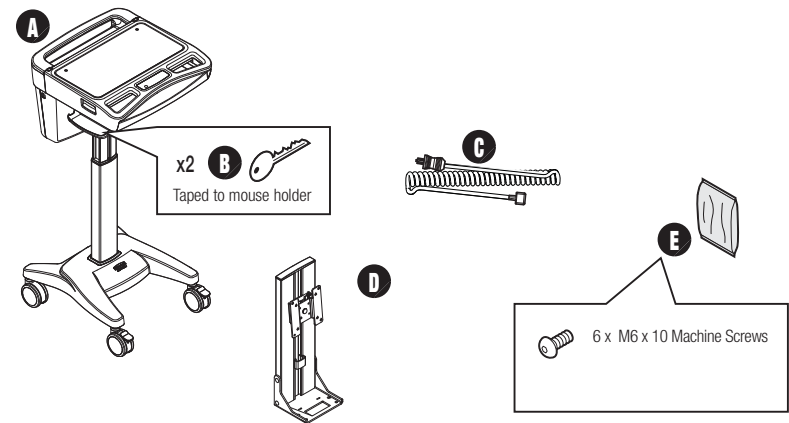


- A** M40 Computer Cart
- B** Security Keys
- C** Power Cord
- D** Monitor Support
- E** Mounting Screws

Laptop Cart with Power Cord Kit

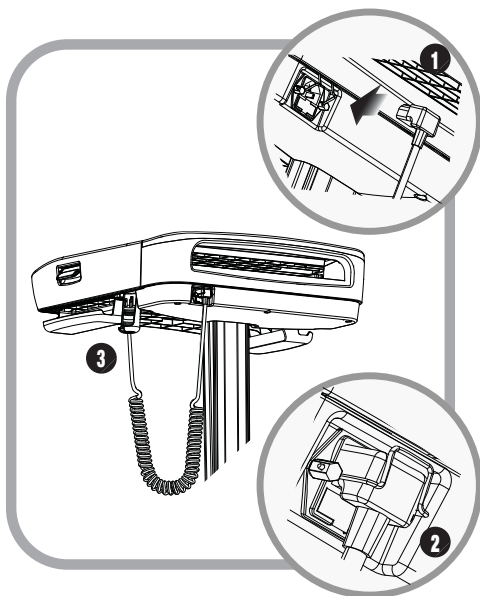


LCD & CPU Cart



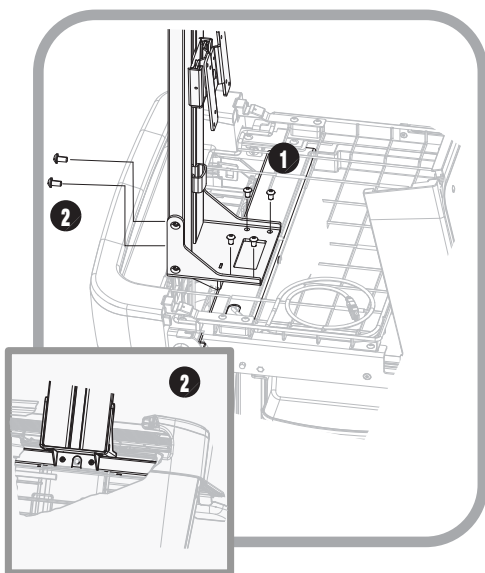
Assembly

INSTALL THE POWER CORD



1. Plug the power cord into the computer cart.
2. Position the bale to secure the power cord.
3. Stow the plug in the holder.

INSTALL THE MONITOR SUPPORT

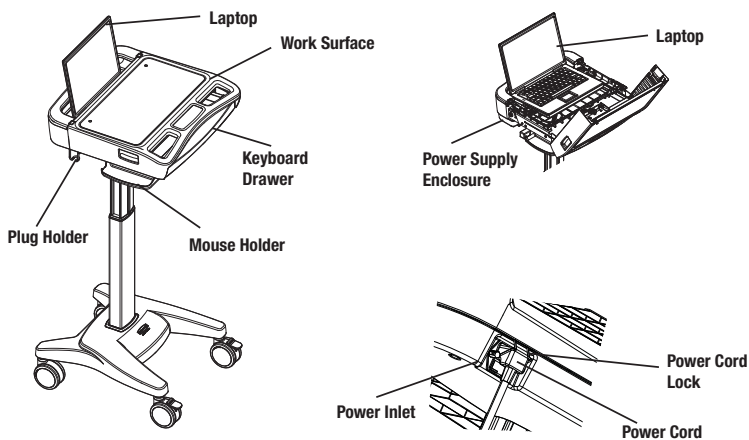


1. Install the monitor support with four screws as shown. Do not tighten.
2. Install 2 screws as shown. Tighten all 6 screws.

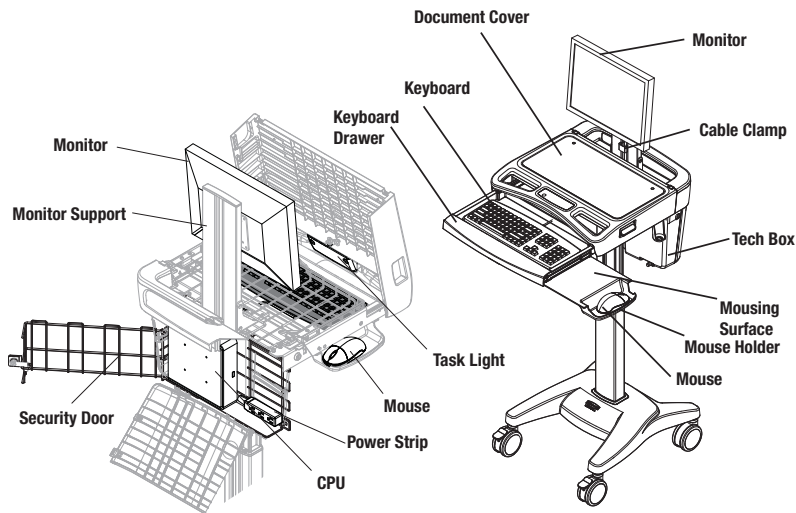
Integration

COMPONENT SCHEMATIC

Laptop Cart



LCD & CPU Cart



Integration

SPECIFICATIONS

Common Specifications

Base Size	17" x 19" (43 cm x 48 cm)
Weight	Configurations starting at 53 lb (28.6 kg)
Height Adjustment	16" (40.5 cm)
Laptop/Storage Tray	16" x 12" x 1.5" Accommodates up to 17" laptop or tablet computer
Work Surface	20" W x 11" d (50.8 cm W x 27.9 cm)
Keyboard Platform	Accommodates 1.75" H x 18" W x 8" D (4.5 cm x 45.7 cm x 20.3 cm) USB keyboard
Mouse Area	Bidirectional mouse pad 8.5" x 9.5" (21.5 cm x 24.1 cm)
USB Powered Task Light	USB A to Mini-B
Document cover	19.5" x 9.75" (99.5 cm x 24.75 cm)

Laptop Cart with Power Cord Kit

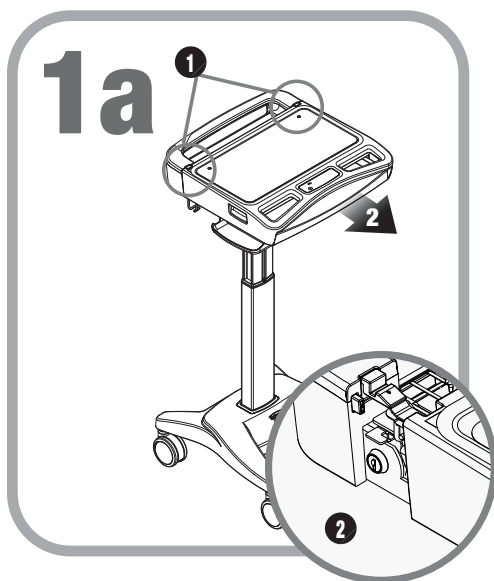
Power Supply Compartment	20" x 5.75" x 1.75"
Power Cord	2.5 ft (.75 m) hospital grade spiral cord– extends to 8 ft (2.4 m), recharges on board technology, 120/240Vac, 6.3A, 50/60Hz.
Power Strip	3 - NEMA 5/15 outlets with inline fusing
Power Input	120 Vac, 60 Hz, 5 A North America

LCD & CPU Cart

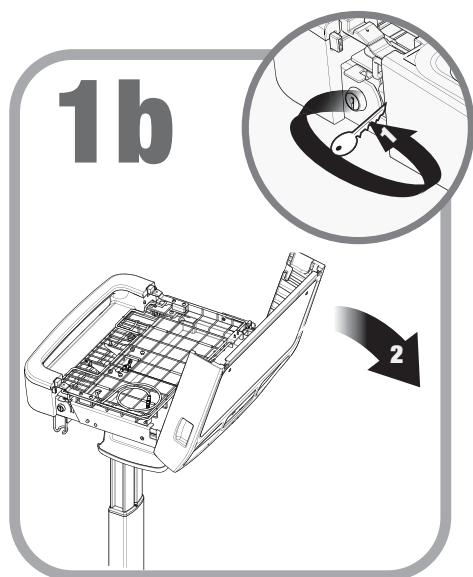
Tech Box	14.5" x 9.4" x 2.7" (36.8 cm x 23.8 cm x 6.9 cm)
LCD Monitor Mount	25 lbs (11.3 kg) max.
Power Cord	2.5 ft (.75 m) hospital grade spiral cord– extends to 8 ft (2.4 m), recharges on board technology, 120/240VAC, 6.3A, 50/60Hz.
Power Strip	3 - NEMA 5/15 outlets with inline fusing
Power Input	120 Vac, 60 Hz, 5 A North America

Integration

OPEN THE WORK SURFACE



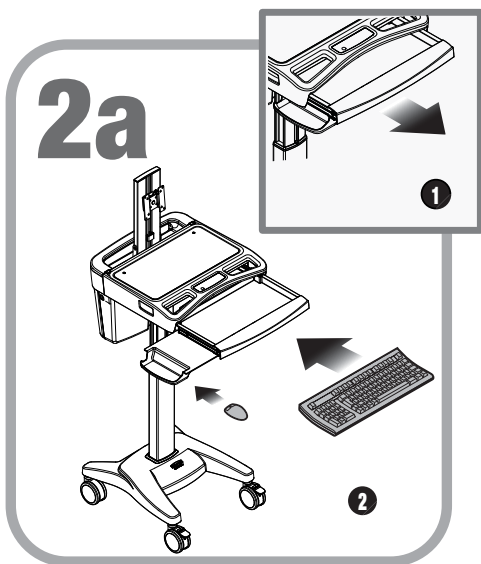
1. Press the two latches to release the work surface.
2. Pull the work surface forward to expose the locks.



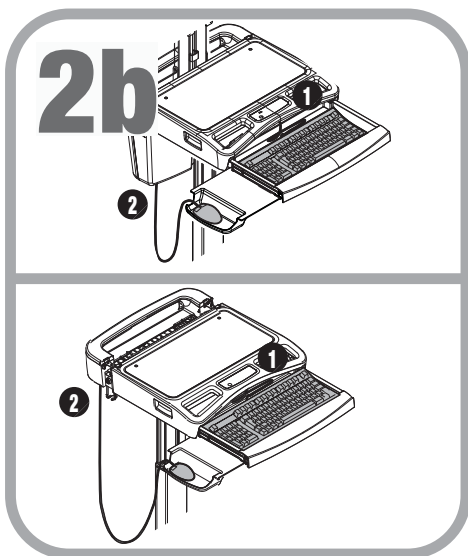
1. Unlock the work surface as shown.
2. Lift the rear of the work surface as shown to expose the Storage/Laptop Tray.

Integration

INSTALL THE KEYBOARD MOUSE AND DATA CABLE



1. Open the keyboard drawer.
2. Place the keyboard in keyboard drawer.
Place the mouse in the mouse holder.



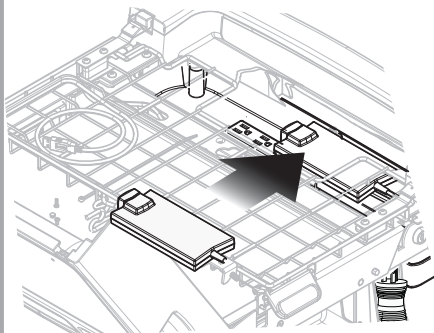
1. Route keyboard cable to the Tech Box/Laptop Tray.
 2. Route the mouse cable to the Tech Box/Laptop Tray.
- If you are using a wired network, route a data cable to the Tech Box/Laptop Tray.

Note: Use cable ties to secure the cables to the cart for strain relief.

Integration

INSTALL THE LAPTOP POWER SUPPLY

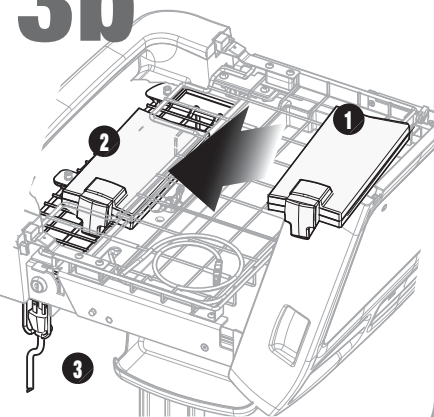
3a



M40 Laptop Cart with Power Cord Kit

- Place the power supply in the power supply enclosure.
- Route the computer power cable to the laptop tray.
- Plug the power supply into the power strip.

3b



M40 Laptop Cart without Power Cord Kit

1. Place the power supply in the power supply tray.
 2. Fasten the power supply to the tray with cable ties.
- Use cable ties to Fasten the power cord to the tray for strain relief.
 - Route the computer power cable to the laptop tray.
3. Stow the plug as shown.

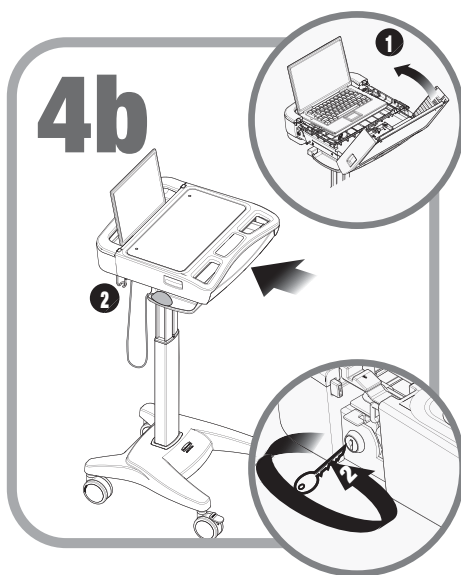
Integration

INSTALL THE LAPTOP



- Place the laptop computer in the laptop tray.
- Make the necessary cable and electrical connections.

Note: The task light must be plugged into a powered USB port or it will not work. (See your computer documentation for the location of the powered USB ports.)

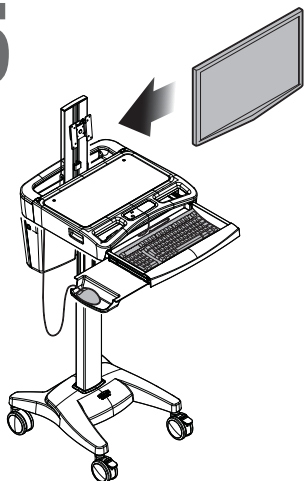


1. Position the laptop as shown, then lower the work surface.
2. Lock and Close the work surface.

Integration

INSTALL THE MONITOR

5

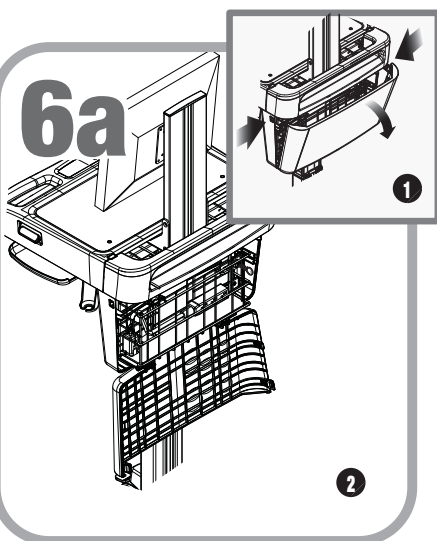


M40 Cart with LCD & CPU Mounts

- Mount the monitor to the M40 Cart. Use the mounting screws supplied with the monitor.
- Route the monitor power and video cable to the tech box.

INSTALL THE CPU

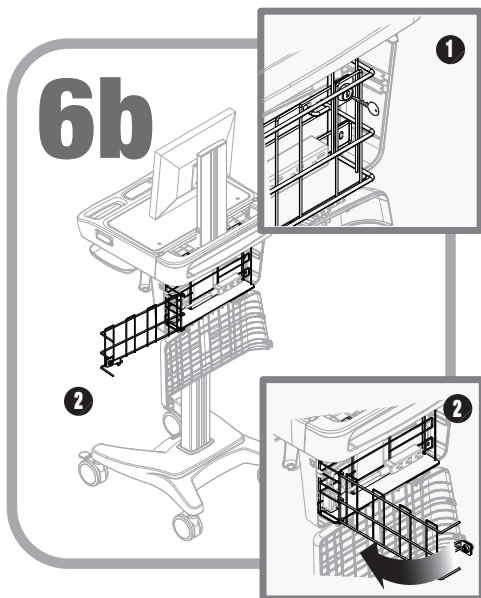
6a



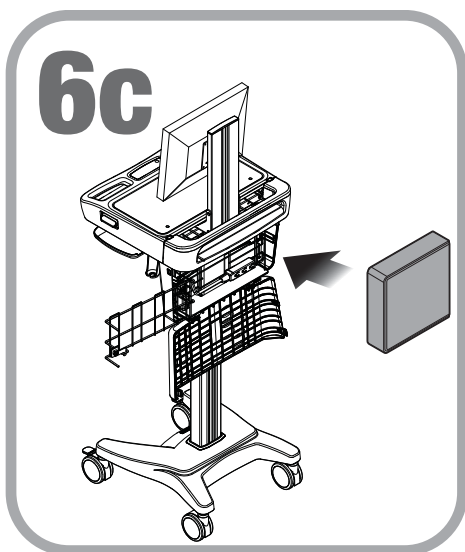
1. Press the two latches to release the tech box door.
2. Lower the door.

Integration

INSTALL THE CPU



1. Unlock the security door.
2. Open the security door.



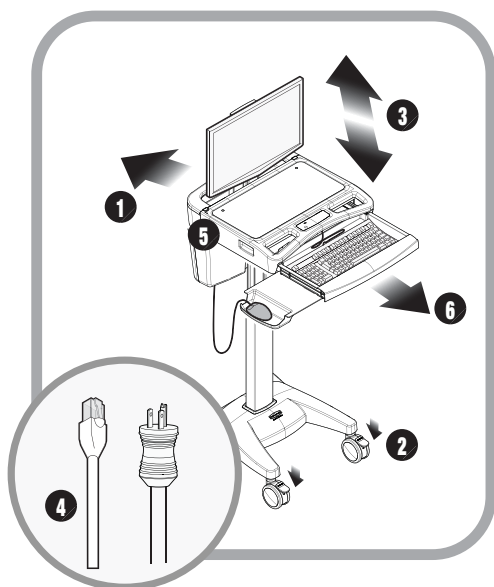
- Place the CPU in the tech box.
- Make the necessary electrical and cable connections.
- Close and lock the security door.
- Close the tech box.
- Lock and close the work surface.

Note: Install CPU with the power button accessible from the top.

Note: The task light must be plugged into a powered USB port or it will not work. (See your computer documentation for the location of the powered USB ports.)

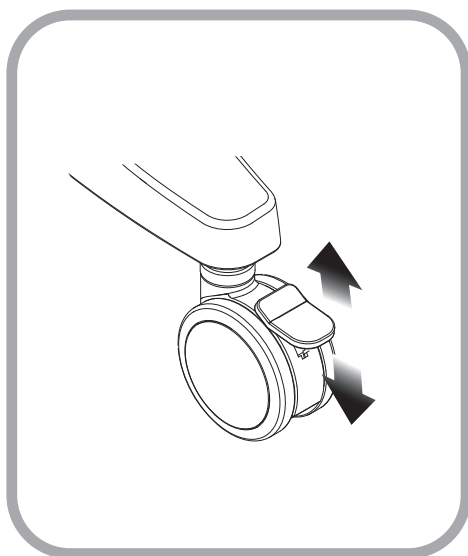
Operation

OPERATING PROCEDURE



1. Move the M40 Cart into position.
2. Lock the casters
3. Adjust the height of the Work Surface.
4. Plug in the power cord; plug in the network cable if you are using a wired network.
5. Start the Computer.
6. Extend the keyboard drawer and the mousing surface.

CASTERS



- Lower the tabs to lock the casters.
- Lift the tabs to unlock the casters.

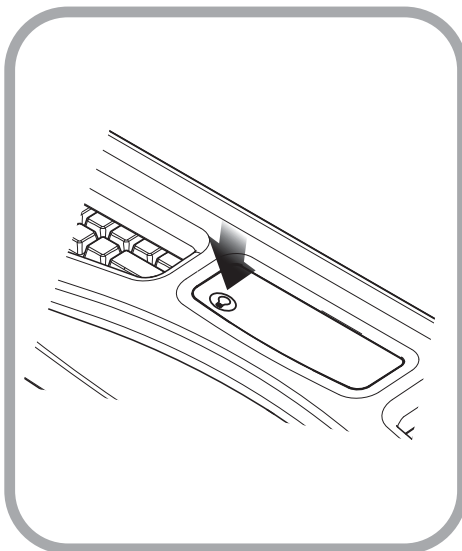
Operation


HEIGHT ADJUSTMENT



1. Hold the work surface steady and lift up and hold the height adjustment handle.
2. Raise or lower the work surface, then release the handle.

TASK LIGHT

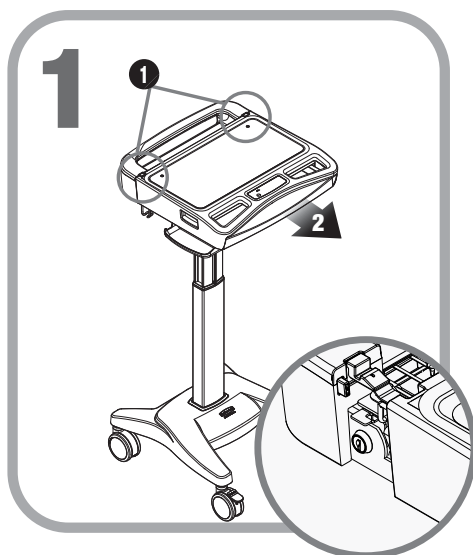


- Press the  button to turn the task light on.
- Press the button again to turn the task light off.
- The task light will automatically turn off after 3 minutes.

Note: The task light must be plugged into a powered USB port or it will not work. (See your computer documentation for the location of the powered USB ports.)

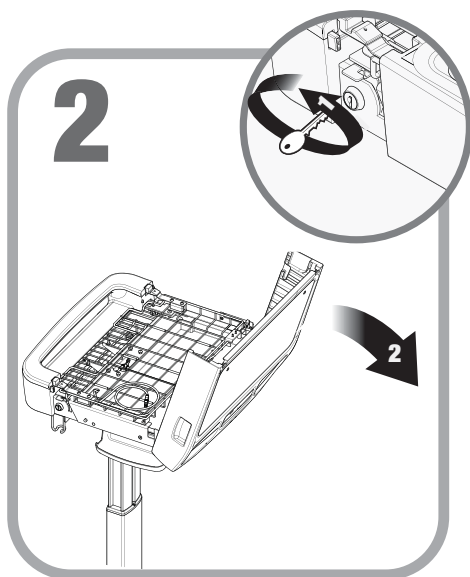
Operation

LAPTOP/STORAGE TRAY



1. Press the two latches to release the work surface.
2. Pull the work surface forward to expose the laptop computer power switch, and work surface locks.

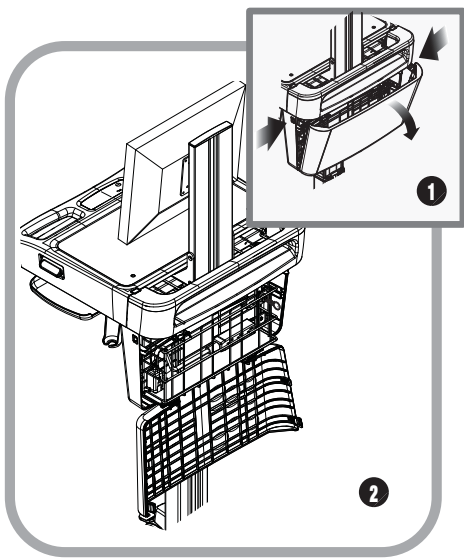
Note: If The laptop power switch is inaccessible, you will have unlock and open the work surface.



1. Unlock the work surface locks as shown.
2. Lift the rear of the work surface as shown to expose the Storage/Laptop Tray.

Operation

TECH BOX



Open the Tech Box

1. Press the two latches to release the tech box door.
2. Lower the door.


Close the Tech Box

Raise the door until it is latched on both sides.

Troubleshooting

Problem	Solution
Cart Will Not Raise or Lower,	Check for cable obstructions (kinks).
Cart Is Hard To Push	Check that the caster locks are in the unlocked (up) position.
	Examine casters to see if any debris is caught in or under the casters.
Task Light Does Not Work	Make sure USB cable is plugged into a powered USB port.
Computer/Monitor will not power up.	Check that cart is plugged in.
	Check that device power cables are connected.
	Check that wall outlet has power.
	Check fuses at cart power inlet.


Maintenance

 **DO NOT** use the computer cart if pieces are missing or the unit is damaged. In these cases, immediately contact Rubbermaid Customer Service for more information: 1-888-859-8294.

Cables: Always keep the cables neatly organized and be sure to route cables away from moving components with wire ties or cable clips.


Electric Cables: Periodically inspect power cord and plug to ensure plug is not bent and cable is not frayed.

CLEANING

 **CAUTION:** Because of the close proximity of electrical power and equipment, flammable cleaners should never be used on the computer cart.

- Verify that your computer cart is unplugged from the wall outlet before cleaning.
- Allow your computer cart to dry completely before plugging the power cord into a wall outlet.
- When cleaning the computer cart, wipe surface with a damp cloth and thoroughly dry.

- **NEVER** cover the computer cart or its components with liquid or allow liquids to flow into the computer cart.
- **NEVER** use steel wool or other abrasive material as these could damage the surface finish.
- Before using any cleaner on the computer cart, first test on a small area to ensure that the surface is not harmed.
- These guidelines cannot guarantee infection control. The hospital's Infection Control Administrator should be consulted regarding cleaning procedures and schedules.
- Clean plastic components with diluted, non-abrasive solutions. Suggested cleaners are water, soap, diluted bleach and alcohol solutions.
- Remove pen and dry erase marker stains with a soft cloth and 91% isopropyl alcohol.
- Remove iodine stains with a soft cloth and any cleaners suggested above.

 **DO NOT** use the following chemicals to clean your computer cart: acetone, mineral spirits, abrasive cleansers, paint thinner or any other harsh or toxic chemicals.

Service

SERVICE REQUEST

Please visit our website at: www.rubbermaidhealthcare.com/service to file a request for parts.

SERVICE LEVEL COMMITMENT

Rubbermaid Healthcare is committed to providing best-in-class service. This document details our standard warranty and instructions on how to request service using our customer support system.

Warranty

LIMITED WARRANTY FOR M40 COMPUTER CARTS

Rubbermaid Healthcare is pleased to offer a three-year warranty on durable components and a two-year warranty on electronic components.

If during the warranty period this Rubbermaid Healthcare product proves defective in materials or workmanship under normal use by the original purchaser, please contact Rubbermaid Healthcare technical support at www.rubbermaidhealthcare.com/service (please be sure to complete all information, including product serial number, description of the issue, and full contact information). Rubbermaid Healthcare will determine, at its sole discretion, how to best address your warranty issue, which may include sending you a replacement part covered under warranty or for sale. Rubbermaid Healthcare reserves the right to require proof-of-purchase prior to honoring any warranty request. This warranty does not cover product abuse, modification, failure to adhere to product instructions, or improper operation/misuse. Rubbermaid Healthcare SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.

SERVICE DETAILS

Consumable components are not covered under warranty and include:

- Document Cover
- Locks and Keys

All other standard components will be replaced under the applicable warranty following a filed service request. If the service request is received prior to 10 am EST, replacement parts will ship next business day. Requests filed after 10 am EST will be fulfilled with parts shipped in 2 business days. All replacement parts will ship via ground carrier.

*The above terms for replacement parts applies to facilities located in the United States. All other customers should contact the appropriate reseller for the terms of part replacement.

Statement of Use and Compliance

M40 mobile carts are designed for safe use in general patient areas for the purpose of clinical data entry and retrieval. These carts have no potential electromagnetic or other interference risks when operated according to guidelines covered in this instruction manual.

This product is classified as:

Class 1/ Internally powered device with no applied parts.

This equipment is designed for continuous operation.

Class A, Group 1 ISM Equipment.

This device is classified IPX0 for water ingress.

Input 120 Vac, 60 Hz, 5 A North America

Contact Us

Customer Service:

Rubbermaid Healthcare

16905 Northcross Drive, Suite 120

Huntersville, NC 28078

Phone: 1-888-859-8294

Fax: 1-888-859-8297

Notes

Notes

Notes

Revision	Date	Description of Changes
A	12/2011	Initial Release
B	2/2013	Change logos and references to Rubbermaid Healthcare Add TOC level subheading to Transport and Storage section Add Revision History p23 Add Compliance Information p20 Add 3 pages for pagination



1-888-859-8294
www.RubbermaidHealthcare.com

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